

## SEQLIST for pct2

## SEQUENCE LISTING

<110> CHENEVAL, Dominique  
 KASTELIC, Tania  
 Novation Pharmaceuticals Inc.

<120> Assay for Identifying Compounds which  
 Affect Stability of mRNA

<130> 793-104PCT2

<140> N/A

<141> 2005-04-01

<150> US 10/814,634

<151> 2004-04-01

<160> 30

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1105

<212> DNA

<213> Homo Sapiens

<400> 1

|             |             |             |             |             |            |      |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| gcggccgcca  | cagcagcctc  | tgaagttgga  | cagcaaaacc  | attgcgttac  | tacccatcg  | 60   |
| tgtccattta  | tagaataatg  | tgggaagaaa  | caaaccggt   | ttatgattta  | ctcattatcg | 120  |
| cctttgaca   | gctgtgtgt   | aacacaagta  | gtgcctgaa   | cttgaattaa  | tccacacatc | 180  |
| agtaatgtat  | tctatcttc   | tttacatttt  | gttctctata  | ctacattatt  | aatgggtttt | 240  |
| gtgtactgtt  | aagaatttag  | ctgtatcaa   | ctagtgcatt  | aatagattct  | tcctgtat   | 300  |
| tttatcacat  | agccccttag  | ccagttgtat  | attattctt   | tggtttgtga  | cccaattaag | 360  |
| tcctacttta  | catatgtttt  | aagaatcgat  | gggggatgt   | tcatgtgaac  | gtgggagttc | 420  |
| agctgcttct  | cttgcctaa   | tattccccc   | ctgatcacta  | tgcattttaa  | agttaaacat | 480  |
| tttttaagtat | ttcagatgt   | tttagagat   | ttttttttcc  | atgactgtcat | tttactgtac | 540  |
| agattgctgc  | ttctgtata   | tttgtat     | aggaatttaag | aggatacaca  | cgttgttcc  | 600  |
| ttcgtgcctg  | ttttatgtgc  | acacattagg  | cattgagact  | tcaagctttt  | ctttttttgt | 660  |
| ccacgtatct  | ttgggtcttt  | gataaaagaaa | agaatccctg  | ttcattgtaa  | gcacttttac | 720  |
| ggggcgggtg  | gggggggggt  | ctctgttgt   | cttcaattac  | caagaattct  | ccaaaacaat | 780  |
| tttctgcagg  | atgattgtac  | agaatcattt  | ctttagacat  | gatcgctttt  | tacactgtat | 840  |
| tacataaataa | aattaaataaa | aataaccccg  | ggcaagactt  | ttctttgaag  | gatgactaca | 900  |
| gacattaaat  | aatcgaagta  | attttgggtg  | gggagaagag  | gcagattcaa  | ttttctttaa | 960  |
| ccagtctgaa  | gtttcattta  | tgataaaaa   | gaagatgaaa  | atggaagtgg  | caatataagg | 1020 |
| ggatgagggaa | ggcatgcctg  | gacaaaccct  | tcttttaaga  | tgtgtctca   | atttgtataa | 1080 |
| aatgggtttt  | tcatgtagcg  | gccgc       |             |             |            | 1105 |

<210> 2

<211> 904

<212> DNA

<213> Homo Sapiens

<400> 2

|             |             |             |             |            |            |     |
|-------------|-------------|-------------|-------------|------------|------------|-----|
| gcggccgctg  | aagtcaacat  | gcctgcccc   | aacaaatatg  | caaaaggttc | actaaagcag | 60  |
| tagaaataat  | atgcattgtc  | agtgtatgtac | catgaaacaa  | agctgcaggc | tgtttaagaa | 120 |
| aaaataaacac | acatataaaac | atcacacaca  | cagacagaca  | cacacacaca | caacaattaa | 180 |
| cagtcttcag  | gcaaaacgtc  | gaatcagcta  | tttactgcca  | aaggaaata  | tcattttttt | 240 |
| tttacattat  | taagaaaaaa  | agatttattt  | atthaagaca  | gtcccatcaa | aactcctgtc | 300 |
| tttggaaatc  | cgaccactaa  | ttgccaagca  | ccgcttcgt   | tggctccacc | tggatgttct | 360 |
| gtgcctgtaa  | acataggattc | gctttccatg  | ttgttggcc   | gatcaccatc | tgaagagcag | 420 |
| acggatggaa  | aaaggacctg  | atcattttggg | aagctggctt  | tctggctgt  | ggaggctggg | 480 |
| gagaagggtt  | tcatttcatt  | gcatttttt   | gcctgggggg  | ctgtgatatt | aacagaggga | 540 |
| gggttcctgt  | ggggggaaagt | ccatgcctcc  | ctggcctgaa  | gaagagactc | tttgcatatg | 600 |
| actcacatga  | tgcataccctg | gtgggaggaa  | aagagtggg   | aacttcagat | ggacctagta | 660 |
| cccaactgaga | tttccacgc   | gaaggacagc  | gatgggaaaaa | atgccttaa  | atcatagaa  | 720 |

## SEQLIST for pct2

agtattttt taagctacca attgtgccga gaaaaggcatt ttagcaattt atacaatatac 780  
 atccagtacc ttaagccctg attgtgtata ttcatatatt ttggatacgc accccccaaac 840  
 tcccaatact ggctctgtct gagtaagaaa cagaatcctc tggaacttga ggaagtgcgg 900  
 ccgc 904

<210> 3  
 <211> 710  
 <212> DNA  
 <213> Homo Sapiens

<400> 3  
 gcggccgctg aagtcaacat gcctgcccc aacaaatatg caaaaggttc actaaagcag 60  
 tagaaaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tggatgtt 120  
 aaaaataacac acatataaac atcacacaca cagacagaca cacacacaca caacaatata 180  
 cagtcttcag gcaaaaacgtc gaatcaagta ttactgcca aagggaaata tcatttattt 240  
 ttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactccgtc 300  
 ttggaaatc cgaccactaa ttgccaagca ccgcttcgtg tggctccacc tggatgtt 360  
 gtgcctgtaa acatagattc gcttccatg ttgttggccg gatcaccatc tgaagagcag 420  
 acggatggaa aaaggacgtg atcattgggg aagctggctt tctggctgtt ggaggctggg 480  
 gagaaggtgt tcattcactt gcatttctt gccctgggg ctgtgatatt aacagaggg 540  
 gggttccctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600  
 actcacatga tgcatacctg gtgggaggaa aagagttggg aacttcagat ggacctagta 660  
 cccactgaga tttccacgccc gaaggacagc gatgggaaaa atgcggccgc 710

<210> 4  
 <211> 688  
 <212> DNA  
 <213> Homo Sapiens

<400> 4  
 gcggccgctc ggagcttttt tgccctgcgt gaccagatcc cggagttgga aaacaatgaa 60  
 aaggccccca aggtagttat cttaaaaaaa gccacagcat acatccgtc cgtccaagca 120  
 gaggagcaaa agctcatttc tgaagaggac ttgttgcggg aacgacgaga acagttgaaa 180  
 cacaacttg aacagctacg gaactcttgcgt gctaaggaa aagtaaggaa aacgattcct 240  
 tctgacagaaa atgtcctgag caatcaccta tgaacttgcgt tcaaatgcattt gatcaaatgc 300  
 aacctcacaa cttggctgaa gtcttgcggg taaaagattt agccataatg taaactgcct 360  
 caaattggac tttgggcata aaagaacttt tttatgccta ccattttttt tttttcttta 420  
 acagatttg atttagaat tttttttaaa aaattttaaat atttacacaa tttttctctg 480  
 taaatattgc cattaaatgt aaataacttt aataaaacgt ttatagcagt tacacagaat 540  
 ttcaatccctt gtatatagtt cctagtattt taggtactat aaaccctaat tttttttattt 600  
 taagtacattt ttgctttttt aagttgattt ttttctattt ttttttagaaa aaataaaaata 660  
 actggcaaat atatcattgtt gccatattt 688

<210> 5  
 <211> 806  
 <212> DNA  
 <213> Homo Sapiens

<400> 5  
 gcggccgctg aggaggacga acatccaaacc ttcccaaacc cctccctgc cccaatccct 60  
 tatttacccc ctcccttcaga caccctcaac ctccctgc tcaaaaagag aattgggggc 120  
 ttagggtcgg aacccaagct tagaacttta agcaacaaga ccaccactt gaaacactggg 180  
 attcaggaat gtgtggcctg cacagtgaag tgctggcaac cactaagaat tcaaaactggg 240  
 gcctccagaa ctcactgggg cctacagctt tgatccctga catctggat ctggagacca 300  
 gggagcctt ggttgcggcc agaatgcgtc aggacttgag aagacccatc ctagaaaattt 360  
 acacaagtgg acctttaggcc ttccctcttc cagatgtttc cagacttcct tgagacacgg 420  
 agcccgccccc tccccatggaa gccagctccc tctattttt tttgcacttg tgattattt 480  
 ttatattttt attatttttt tatttacaga tgaatgtattt tattttggag accggggat 540  
 cctggggggac ccaatgttagg agctgcctt gctcagacat gttttccgtg aaaacggagc 600  
 tgaacaatag gctgtccca tttttttttt tggcctctgt gccttctttt gattatgtt 660  
 ttaaaatattt ttatctgtt aagttgtctt aacaatgtctt atttggtgac caactgtcac 720  
 tcattgctgtc gcctctgtcc cccaggggag ttgtgtctgtt aatcgcccta ctattcagtg 780  
 gcgagaaata aagtttgctt catatg 806

<210> 6  
 <211> 613  
 <212> DNA  
 <213> Homo Sapiens

## SEQLIST for pct2

&lt;400&gt; 6

|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| gcggccgcta | aagagagctg  | tacccagaga | gtcctgtgct | aatgtggac  | tcaatcccta  | 60  |
| gggctggcag | aaaggaaaca  | gaaagggttt | tgagtacggc | tatagcctgg | actttccctgt | 120 |
| tgtctacacc | aatgcccac   | tgcctgcctt | aggtagtgc  | taagaggatc | tcctgtccat  | 180 |
| cagccaggac | agtcaagct   | ctcctttag  | ggccaatccc | cagccctttt | gttgagccag  | 240 |
| gcctctctca | cctctctac   | tcacttaaag | ccgcctgac  | agaaaccacg | gccacatttg  | 300 |
| gttctaagaa | accctctgtc  | attcgctccc | acattctgat | gagcaaccgc | ttcccttattt | 360 |
| atttatttat | ttgtttgttt  | gttttattca | tttgtctaat | ttattcaaag | ggggcaagaa  | 420 |
| gtagcagtgt | ctgtaaaaga  | gccttagttt | taatagctat | ggaatcaatt | caatttgac   | 480 |
| ttgtgtgctc | tctttaaattc | aagtccctta | attaagactg | aaaatatata | agctcagatt  | 540 |
| atttaaatgg | aatattttat  | aatgagcaa  | atatcatact | gttcaatgg  | tctgaaataa  | 600 |
| acttcaccat | atg         |            |            |            |             | 613 |

&lt;210&gt; 7

&lt;211&gt; 1101

&lt;212&gt; DNA

&lt;213&gt; Homo Sapiens

&lt;400&gt; 7

|             |             |            |            |             |             |      |
|-------------|-------------|------------|------------|-------------|-------------|------|
| gcggccgcat  | tgctgtgctt  | tggggattcc | ctccacatgc | tgcacgcga   | tctcgcccc   | 60   |
| aggggactg   | cctggaagat  | tcaggagcc  | ggcgccctt  | cgcttactct  | cacctgcttc  | 120  |
| ttagttgccc  | aggaggccac  | tggcagatgt | cccgcgaa   | agaagagaca  | cattgttgg   | 180  |
| agaagcaggc  | catgacagac  | cccccttctg | ggactcgccc | tcatctt     | cctgctccc   | 240  |
| ttcctgggt   | gcagcctaaa  | aggacatgt  | tcctcacacc | attgaaacca  | ctagttctgt  | 300  |
| ccccccagga  | gacctggtt   | tgtgtgtgt  | agtgggtgac | tttcctccat  | cccccgggtcc | 360  |
| ttcccttccc  | ttcccgaggc  | acagagagac | agggcaggat | ccacgtgccc  | attgtggagg  | 420  |
| cagagaaaag  | agaaaagtgtt | ttatatacgg | tacttattta | atatccctt   | ttaatttagaa | 480  |
| ataaaacag   | ttaatttaat  | taaagagtag | ggttttttt  | cagtattctt  | ggtaataatt  | 540  |
| taatttcaac  | tatttatgag  | atgtatctt  | tgctctctt  | tgctcttta   | tttgttaccgg | 600  |
| ttttgttata  | taaaattcat  | gttccaatc  | tctctctccc | tgatcggtga  | cagtcactag  | 660  |
| cttatcttga  | acagatattt  | aattttgcta | acactcagct | ctgcccctccc | cgatcccctg  | 720  |
| gctcccccagc | acacattct   | ttgaaataag | gttcaatat  | acatctacat  | actatataata | 780  |
| tatatttggc  | aacttgtatt  | tgtgtgtata | tatatatata | tatgtttatg  | tatatatgtg  | 840  |
| attctgataa  | aatagacatt  | gctattctgt | tttttatatg | taaaaacaaa  | acaagaaaaa  | 900  |
| atagagaatt  | ctacatacta  | aatctctctc | cttttttaat | ttaatattt   | gttatcattt  | 960  |
| atttatttgt  | gctactgttt  | atccgtata  | attgtgggg  | aaagatatta  | acatcacgtc  | 1020 |
| tttgcctcta  | gtgcagttt   | tcgagatatt | ccgtagtaca | tatttattt   | taaacaacga  | 1080 |
| caaagaata   | cagaacat    | atg        |            |             |             | 1101 |

&lt;210&gt; 8

&lt;211&gt; 168

&lt;212&gt; DNA

&lt;213&gt; Homo Sapiens

&lt;400&gt; 8

|             |             |            |             |             |             |     |
|-------------|-------------|------------|-------------|-------------|-------------|-----|
| gcggccgcat  | tcctgttagac | acacccaccc | acatacatac  | atttatatat  | atataatatta | 60  |
| tatataatata | aaaataaaata | tctctattt  | atataatataa | aatataatata | ttcttttttt  | 120 |
| aaattaacag  | tgctaattgtt | attgggtct  | tcactggatg  | aacatatg    |             | 168 |

&lt;210&gt; 9

&lt;211&gt; 33

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; oligonucleotide primer

&lt;400&gt; 9

ttgcggccgc tacatgaaaa caccattta tac

33

&lt;210&gt; 10

&lt;211&gt; 30

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; oligonucleotide primer

## SEQLIST for pct2

|                                    |    |
|------------------------------------|----|
| <400> 10                           |    |
| tgccggcc acagcagcct ctgaaggttgg    | 30 |
| <210> 11                           |    |
| <211> 29                           |    |
| <212> DNA                          |    |
| <213> Artificial Sequence          |    |
| <220>                              |    |
| <223> oligonucleotide primer       |    |
| <400> 11                           |    |
| agccggccca cttcctcaag ttccagagg    | 29 |
| <210> 12                           |    |
| <211> 28                           |    |
| <212> DNA                          |    |
| <213> Artificial Sequence          |    |
| <220>                              |    |
| <223> oligonucleotide primer       |    |
| <400> 12                           |    |
| agccggccgt gaagtcaaca tgcctgcc     | 28 |
| <210> 13                           |    |
| <211> 28                           |    |
| <212> DNA                          |    |
| <213> Artificial Sequence          |    |
| <220>                              |    |
| <223> oligonucleotide primer       |    |
| <400> 13                           |    |
| agccggccca tttttcccat cgctgtcc     | 28 |
| <210> 14                           |    |
| <211> 28                           |    |
| <212> DNA                          |    |
| <213> Artificial Sequence          |    |
| <220>                              |    |
| <223> oligonucleotide primer       |    |
| <400> 14                           |    |
| ccatatggct caatgatata tttgccag     | 28 |
| <210> 15                           |    |
| <211> 32                           |    |
| <212> DNA                          |    |
| <213> Artificial Sequence          |    |
| <220>                              |    |
| <223> oligonucleotide primer       |    |
| <400> 15                           |    |
| agccggccgtt cgagtttt ttgccctgct tg | 32 |
| <210> 16                           |    |
| <211> 28                           |    |
| <212> DNA                          |    |
| <213> Artificial Sequence          |    |
| <220>                              |    |
| <223> oligonucleotide primer       |    |
| <400> 16                           |    |

SEQLIST for pct2

|                                      |    |
|--------------------------------------|----|
| ccatatgaag caaactttat ttctcgcc       | 28 |
| <210> 17                             |    |
| <211> 31                             |    |
| <212> DNA                            |    |
| <213> Artificial Sequence            |    |
| <220>                                |    |
| <223> oligonucleotide primer         |    |
| <400> 17                             |    |
| agcggccgct gaggaggacg aacatccaac c   | 31 |
| <210> 18                             |    |
| <211> 27                             |    |
| <212> DNA                            |    |
| <213> Artificial Sequence            |    |
| <220>                                |    |
| <223> oligonucleotide primer         |    |
| <400> 18                             |    |
| ccatatggtg aagtttattt cagaacc        | 27 |
| <210> 19                             |    |
| <211> 30                             |    |
| <212> DNA                            |    |
| <213> Artificial Sequence            |    |
| <220>                                |    |
| <223> oligonucleotide primer         |    |
| <400> 19                             |    |
| agcggccgct aaagagagct gtacccagag     | 30 |
| <210> 20                             |    |
| <211> 32                             |    |
| <212> DNA                            |    |
| <213> Artificial Sequence            |    |
| <220>                                |    |
| <223> oligonucleotide primer         |    |
| <400> 20                             |    |
| aacatatgtt ctgtatttct ttgtcgttgt tt  | 32 |
| <210> 21                             |    |
| <211> 32                             |    |
| <212> DNA                            |    |
| <213> Artificial Sequence            |    |
| <220>                                |    |
| <223> oligonucleotide primer         |    |
| <400> 21                             |    |
| tgcggccgca ttgctgtgct ttggggattc cc  | 32 |
| <210> 22                             |    |
| <211> 33                             |    |
| <212> DNA                            |    |
| <213> Artificial Sequence            |    |
| <220>                                |    |
| <223> oligonucleotide primer         |    |
| <400> 22                             |    |
| aacatatgtt catccagtga agacaccaat aac | 33 |

## SEQLIST for pct2

```

<210> 23
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide primer

<400> 23
tgcggccgca ttcctgtaga cacacccacc c 31

<210> 24
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide primer

<400> 24
cttgcgcacg attccc 16

<210> 25
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide primer

<400> 25
aatcgatcgac aagttc 16

<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide primer

<400> 26
agctgcttagc tcgagatctg 20

<210> 27
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide primer

<400> 27
agctcagatcg tcgagatcg 20

<210> 28
<211> 601
<212> DNA
<213> Homo Sapiens

<400> 28
agagagctgt acccagagag tcctgtgctg aatgtggact caatccctag ggctggcaga 60
aaggaaacag aaaggttttt gagtacggct atagcctgga ctttcctgtt gtctacacca 120
atgccaact gcgtgcctta gggtagtgct aagaggatct cctgtccatc agccaggaca 180
gtcagctctc tccttcagg gccaatcccc agcccttttg ttgagccagg cctctctcac 240
ctctcctact cactaaagc ccgcctgaca gaaaccacgg ccacatttgg ttctaaagaaa 300
ccctctgtca ttcgcctccca cattctgtatc agcaaccgct tccctattta tttatattt 360
tgtttgtttg ttttattcat tggctctaatt tattcaaagg gggcaagaag tagcagtgtc 420

```

SEQLIST for pct2

|   |     |
|---|-----|
| tgtaaaagag cctagtttt aatagctatg gaatcaattc aatttggact ggtgtgctct  | 480 |
| ctttaaatca agtcctttaa ttaagactga aaatatataa gctcagatta tttaaatggg | 540 |
| aatatttata aatgagcaaa tatcatactg ttcaatggtt ctgaaataaa cttctctgaa | 600 |
| g   | 601 |
| <210> 29  |     |
| <211> 40  |     |
| <212> DNA   |     |
| <213> Homo Sapiens  |     |
| <400> 29  |     |
| atggcttccc tatttattta tttatttgtt tgtccaacct                       | 40  |
| <210> 30  |     |
| <211> 40  |     |
| <212> DNA   |     |
| <213> Homo Sapiens  |     |
| <400> 30  |     |
| ggataccgaa gggataaata aataaataaa caaacaggtt                       | 40  |